

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	brak\$3 with lock\$3 with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) with (cable pulley)	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 13:26
S2	1	("345"/\$).cls. and (brak\$3 same lock\$3 same (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) same (cable pulley motor))	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 13:28
S3	1	(haptic) and (brak\$3 same lock\$3 same (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) same (cable pulley motor))	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 13:29
S4	36	((haptic) and ((brak\$3 lock\$3) same (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) same (cable pulley motor))	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/25 13:29
S5	2	spidar and pulley and motor and encod\$3 and (cable tension)	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 14:06
S6	8	("7404716").PN.	US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 16:49

S7	917	(dc adj motor) and (motor with (brak\$3 lock \$3) with (shutdown shutoff powerdown poweroff ((shut\$4 power \$4 turn\$4 remov\$3) near2 (off down current voltage))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:03
S8	297	("20010002126"   "20020030663"   "20020033795"   "20020054060"   "20020072814"   "20020097223"   "20020109668"   "20020128048"   "20020142701"   "20020177471"   "20030025679"   "20030030619"   "20030038776"   "20040233161"   "3226846"   "3520060"   "3662076"   "3775865"   "3863098"   "3890958"   "3919691"   "4052981"   "4148014"   "4321047"   "4360345"   "4391282"   "4439162"   "4444205"   "4459113"   "4571834"   "4575297"   "4611998"   "4638798"   "4642055"   "4664130"   "4685464"   "4726772"   "4750487"   "4771344"   "4773865"   "4789340"   "4791934"   "4825872"   "4907973"   "5022407"   "5047942"   "5047952"   "5050608"   "5086401"   "5112228"   "5121747"   "5131844"   "5137458"   "5149270"   "5186629"   "5186695"   "5205289"   "5217003"   "5230623"   "5251127"   "5273038"   "5275174"   "5280265"   "5290276"   "5295694"   "5320537"   "5333106"   "5334017"   "5338198"   "5339723"   "5351692"   "5368487"   "5376007"   "5385474"   "5389849"   "5391081"   "5396895"   "5397323"   "5403191"   "5403192"   "5417210"   "5429140"	US-PGPUB; USPAT; USOOR	OR	ON	2010/03/26 17:04

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"5510832"	"5513992"
"5518406"	"5546943"
"5576727"	"5592401"
"5593306"	"5598269"
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S9	205	S8 and (cable string wire)	US-PGPUB; USPAT; USOCR	OR	ON 2010/03/26 17:09
S10	46	S8 and ((cable string wire) near 5 (tension force))	US-PGPUB; USPAT; USOCR	OR	ON 2010/03/26 17:09

S11	1	((cable wire string) with haptic) and (dc adj motor) and (motor with (brak\$3 lock\$3) with (shutdown shutoff powerdown poweroff ((shut\$4 power\$4 turn\$4 remov\$3) near2 (off down current voltage))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:19
S12	55	((cable wir\$3 string rop \$3) with haptic) and (motor with (brak\$3 lock \$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:21
S13	40	((cable wir\$3 string rop \$3) with haptic) and (motor with (brak\$3 lock \$3) with (power\$4 us \$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:40
S14	1	((cable wir\$3 string rop \$3) with haptic) and ((lock\$3 prevent\$3 stop \$4 brak\$4) with (spool pulley) with (off inactiv\$3 ((shut\$4 power\$3 turn \$3) near2 (off down remov\$3))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:44
S15	6973	((lock\$3 prevent\$3 stop \$4 brak\$4) with (spool pulley) with (off inactiv\$3 ((shut\$4 power\$3 turn \$3) near2 (off down remov\$3))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:45
S16	8	haptic and ((lock\$3 prevent\$3 stop\$4 brak\$4) with (spool pulley) with (off inactiv\$3 ((shut\$4 power\$3 turn\$3) near2 (off down remov\$3))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:47
S17	323	((lock\$3 prevent\$3 stop \$4 brak\$4) near5 (spool pulley)) near10 ((shut\$4 power\$3 turn\$3) near2 (off down remov\$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 17:50

S18	0	S17 and (haptic (force adj feedback))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 18:00
S19	2	("20090308676").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/26 18:07
S20	0	(lock\$3 near5 (spool pulley)) near10 (prevent \$3 maintain\$3) near10 (wear tear damage) near10 (inactive ("not" near2 us\$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 18:12
S21	0	(lock\$3 near5 (spool pulley)) near10 (prevent \$3 maintain\$3) near10 (wear\$3 tear\$3 damag \$3) near10 (inactive ("not" near2 us\$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 18:12
S22	0	(lock\$3 near5 (spool pulley)) with (prevent\$3 maintain\$3) with (wear \$3 tear\$3 damag\$3) with (inactive ("not" near2 us \$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 18:15
S23	3	(lock\$3 near5 (spool pulley)) same (prevent\$3 maintain\$3) same (wear \$3 tear\$3 damag\$3) same (inactive ("not" near2 us\$3))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/26 18:16
S24	291	brak\$3 with lock\$3 with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) with (motor cable pulley)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:19
S25	0	brak\$3 with lock\$3 with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) with (motor cable pulley) with (wear\$3 tear\$3 maintenance)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:22

S26	17	((brak\$3 lock\$3) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))) with (motor cable pulley) with (wear\$3 tear\$3 maintenance))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:23
S27	193	((haptic force) near2 feedback) and ((brak\$3 lock\$3) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:25
S28	195	((haptic force) near2 feedback) and ((brak\$3 lock\$3) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:25
S29	31	(damag\$3 preserv\$3 maintain\$3 maintenance wear\$3 tear\$3 safe\$3) same ((pulley spool) near10 (brak\$3 lock\$3) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:45
S30	0	((power-off adj type) near5 motor)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:54
S31	1	((haptic force) near2 feedback) and (((brak\$3 lock\$3) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (remov\$3 down off)))) with (pulley spool))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:57
S32	29	((haptic force) near2 feedback) and ((brak\$3 lock\$3) near10 (position location coordinate) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 11:58

S33	39	((haptic force) near2 feedback) and ((brak\$3 lock\$3) with (position location coordinate) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:01
S34	41	(haptic (force near2 feedback)) and ((brak\$3 lock\$3) with (position location coordinate) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:01
S35	1	("4990815").pn. and ((position near5 lock\$3) isolat\$3)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:07
S36	58	(haptic (force near2 feedback)) and (((brak\$3 lock\$3 maintain\$3 keep \$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:21
S37	24	S36 not S34	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:21
S38	58	("345"/\$).ccls. and (((brak\$3 lock\$3 maintain \$3 keep\$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:26

S39	396	(surgery medical surgical) and (((brak\$3 lock\$3 maintain\$3 keep \$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:28
S40	2	(surgery medical surgical) and (((brak\$3 lock\$3 maintain\$3 keep \$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))) with calibrat \$3)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:28
S41	71	(surgery medical surgical) and (((brak\$3 lock\$3 maintain\$3 keep \$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off)))) and calibrat \$3	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:28
S42	0	("20030097060").pn. and motor	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:38
S43	4412	((brak\$3 lock\$3) near10 (position location coordinate) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) adj (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:40
S44	416553	((("318") or ("345") or ("463") or ("600") or ("700") or ("703")).CLAS.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 12:42
S45	7	spidar and haptic	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:43

S46	517	S44 and (((brak\$3 lock\$3 maintain\$3 keep\$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:44
S47	309	S44 and (((brak\$3 lock \$3) near10 (position location coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:44
S48	4	S44 and (((brak\$3 lock \$3) near5 (pulley spool)) near10 (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:51
S49	8	S44 and (((brak\$3 lock\$3 stop\$4 prevent\$3) near5 (pulley spool)) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:55
S50	567	S44 and (((brak\$3 lock\$3 stop\$4 prevent\$3) near5 (location position)) near10 (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:57
S51	1	S44 and haptic and (((brak\$3 lock\$3 stop\$4 prevent\$3) near5 (location position)) near10 (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 12:57
S52	2	haptic and ((lock\$3 near5 (location position coordinate)) near10 (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:00

S53	2	haptic and ((lock\$3 near5 (location position coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:01
S54	2	haptic and ((lock\$3 near10 (location position coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:01
S55	1350	input and ((lock\$3 near10 (location position coordinate)) with (shutdown powerdown turnoff ((shut\$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:01
S56	9	(brak\$3 with lock\$3 with (location position coordinate) with (spool pulley) with (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:05
S57	7	(brak\$3 with lock\$3 with motor with (spool pulley) with (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:06
S58	27	(brak\$3 with (prevent\$3 stop\$4 lock\$3) with motor with (spool pulley) with (shutdown powerdown turnoff ((shut \$4 power\$3 turn\$3) near2 (remov\$3 down off))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:06
S59	1	("20050024331").pn. and (remote near2 tool)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:27

S60	2	("6104380").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 13:34
S61	1	("20050024331").pn. and (chang\$3 near5 diameter)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 13:41
S62	2	("5440476").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/03/27 13:43
S63	0	("5440476").pn. and pulley and spoo	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 14:51
S64	1	("5440476").pn. and pulley and spool	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/03/27 14:51

3/27/2010 5:35:48 PM

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